# TXD-R11

# SERVICE MANUAL

# Canadian Model AEP Model



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	Model Name Using Similar Mechanism	NEW
CD Section	CD Mechanism Name	CDM28-5BD13
Occion	Base Unit Name	BU-5BD13
Tape Deck	Model Name Using Similar Mechanism	TC-WR741
Section	Tape Transport Mechanism Type	TCM-190RB52C

#### **SPECIFICATIONS**

#### **Compact Disc Player Section**

System

Type

Compact disc digital audio system

Laser Wavelength

Semiconductor laser 780 – 790 nm

Frequency response

 $2 Hz - 20 kHz (\pm 0.5 dB)$ 

Signal-to-noise ratio

More than 100 dB

Dynamic range

More than 95 dB

Harmonic distortion

Less than 0.007%

Channel separation

More than 95 dB

#### **Cassette Deck Section**

System

Recording system

4-track 2-channel stereo

Bias

AC bias

Head (x 1)

Erasing F & F

Playback/Recording SD

Motor

Capstan motor × 1 (DC servo motor)

Reel motor  $\times$  1 (DC motor)

Wow and flutter

±0.14% W. Peak (IEC) 0.08% W. RMS (NAB) ±0.19% W. Peak (DIN)

Fast-winding time (approx.)

90 sec. (with Sony C-60 cassette)

Frequency response (Dolby NR off)

Type I tape, Sony Type I (NORMAL): 30 – 15,000 Hz (± 3 dB)

Type II tape, Sony Type II (HIGH):

30 - 17,000 Hz (± 3 dB)

Type IV tape, Sony Type IV (METAL): 30 – 18,000 Hz (±3 dB)

Signal-to-noise ratio

(at peak level, weighted, and with Dolby NR off)

Type I tape, Sony Type I (NORMAL):

53 dB

Type II tape, Sony Type II (HIGH): 57 dB

Type IV tape, Sony Type IV (METAL):

57 dB

#### S/N ratio improvement

Dolby NR on	Approximate values		
В	5 dB at 1 kHz, 10 dB at 5 kHz		
С	15 dB at 500 Hz, 20 dB at 1 kHz		

- Continue to next page -

**COMPACT DISC CASSETTE** SONY Harmonic distortion

Type I tape, Sony Type I (NORMAL): 0.4% (160 nWb/m 315 Hz, 3rd H.D.)
Type IV tape, Sony Type IV (METAL):

1.8% (250 nWb/m 315 Hz, 3rd H.D.)

ı	n	n	

	Jack type	Maximum input sensitivity
TAPE IN	Phono jacks	0.16 V (input impedance: 47 kilohms)

Outputs			
	Jack type	Maximum output level	Load impedance
TAPE OUT (FIXED)	Phono jacks	0.5 V (at a load impedance of 47 kilohms)	Over 10 kilohms
CD OUT (FIXED)	Phono jacks	2 V (at a load impedance of 50 kilohms)	Over 10 kilohms
PHONES (VARIABLE)	Stereo phone jack	0 – 3 mW (at a load impedance of 32 ohms)	

#### General

#### Power requirements

Where purchased	Power requirements	
Europe	220 V – 230 V AC, 50/60 Hz	
Canada	120 V AC, 60 Hz	

Power consumption

23 W

Dimensions

 $430 \times 125 \times 280 \text{ mm (w/h/d)}$ (  $17 \times 4^{7}/8 \times 11^{1}/8 \text{ inches)}$ 

Mass (approx.)

4.5 kg (9 lb. 15 oz.)

Supplied accessories

Audio connecting cord (2 phono plugs – 2 phono plugs) (3)

Design and specifications are subject to change without notice.

#### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK A ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

# ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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CLASS 1 LASER PRODUCT LUOKAN 1 LASERLAITE KLASS 1 LASERAPPARAT

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

The following caution label is located inside of the unit.

	_		
CAUTION	;	INVISIBLE LABER RADIATION WHEN OPER. MORE EXPOSURE TO BEAM.	
ADVARSEL	:	unyalig labereträling ved äbang mär Brocenhedbafbrydere er ude af funktion Undgå udb ættelbe for eträling.	
VAROL	;	AVATTAEREA JA SUOJALJASTUS OHITETTÄEREA DLET ALTTIMA LABEREÄTELYLLE.	
VARNING	:	LABERSTRÄLING HÄR DENNA DEL ÄR OPPHÅD OCH BPÄRREN ÄR URKOPPLAD.	
ADVARSEL	:	UNYALIG LABERSTRÄLING HÄR DEKSEL ÄPNES UNHGÄ EKSPONERING FOR STRÄLEN.	

#### CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

#### **SERVICING NOTES**

# NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

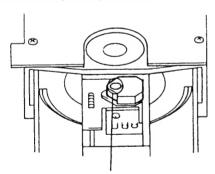
The flexible board is easily damaged and should be handled with care.

#### NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe more than 30 cm away from the objective lens.

# LASER DIODE AND FOCUS SEARCH OPERATION CHECK

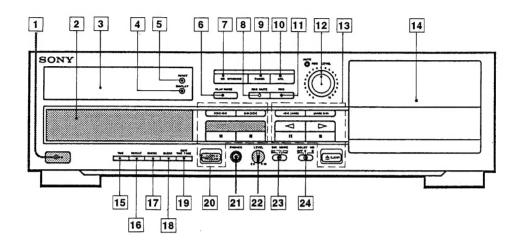
- Make POWER switch on with no disc inserted and disc table closed.
- 2. Confirm that the following operation is performed while observing the objective lens.



- Confirm that laser beam is spread.
- 2 Up and downmotion of the objective lens. (3 times)

# SECTION 1 GENERAL

#### • Location of Controls



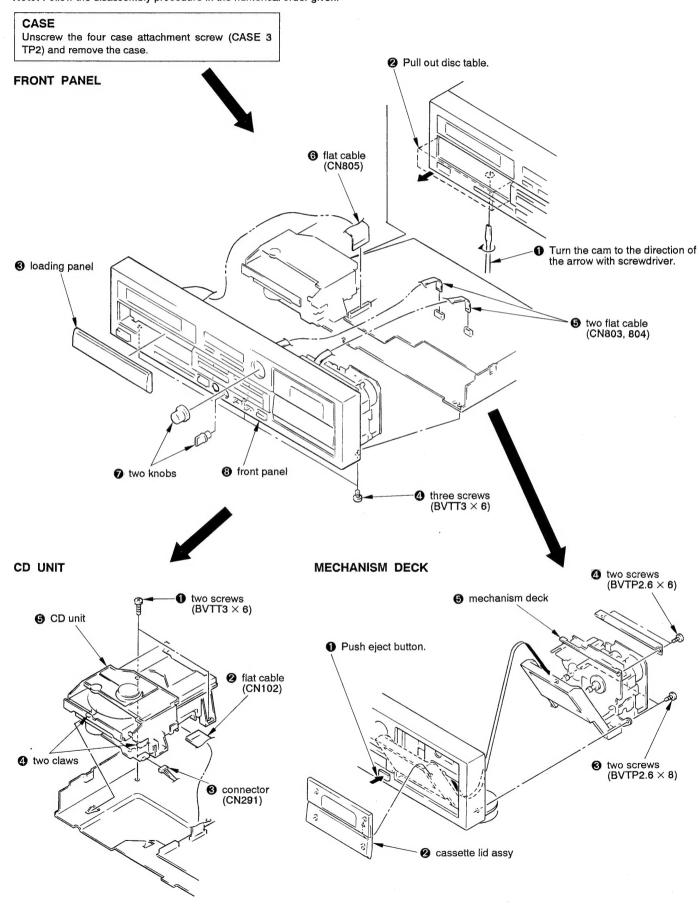
- 1 POWER button
- 2 Disc tray
- 3 Display window
- 4 DISPLAY butto
- 5 RESET button
- 6 PLAY MODE button
- 7 CD SYNCHRO button
- 8 REC MUTE button
- 9 FADER button
- 10 ARL button
- 11 REC button
- 12 REC LEVEL control
- 13 Tape operation buttons
  - **★★** : Fast winding

     Forward play
  - 1. Postara play
  - ⟨ : Reverse play
  - II: PAUSE
  - : STOP
  - ≙: EJECT

- 14 Cassette holder
- 15 TIME button
- 16 REPEAT button
- 17 CHECK button
- 18 CLEAR button
- 19 EDIT/TIME FADE button
- 20 CD operation button
  - ≙: OPEN/CLOSE
  - : PAUSE
  - : STOP
  - ⇒: PLAY
- 21 PHONES jack
- 22 PHONES LEVEL control
- 23 DIR MODE switch
- 24 DOLBY NR switch

# SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.



# SECTION 3 ADJUSTMENTS

#### 3-1. MECHANICAL ADJUSTMENTS

#### **PRECAUTION**

 Clean the following parts with a denatured alcohol-moistened swab:

record/playback/erase head

pinch roller

rubber belts

capstan

idlers

- 2. Demagnetize the record/playback head with a head demagnetizer. (Head demagnetizer do not approach for the erase head.)
- 3. Do not use a magnetized screwdriver for the adjustment.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- 5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

#### **Torque Measurement**

Torque	Torque meter	Meter reading
Forward	CQ-102C	30 to 65 g • cm (0.42 to 0.9 oz • inch)
Forward back tension	CQ-102C	1 to 6 g • cm (0.014 to 0.083 oz • inch)
Reverse	CQ-102RC	30 to 65 g • cm (0.42 to 0.9 oz • inch)
Reverse back tension	CQ-102RC	1 to 6 g • cm (0.014 to 0.083 oz • inch)
FF/REW	CQ-201B	70 to 120 g • cm (0.98 to 1.66 oz • inch)

#### 3-2. ELECTRICAL ADJUSTMENTS

#### TAPE SECTION

#### **PRECAUTION**

- 1. The adjustment should be performed in the publication. (Be sure to male playback adjustment at first.)
- 2. The adjustments and measurement should be performed for both L-CH and R-CH.
  - Switch position

DOLBY NR switch

: OFF

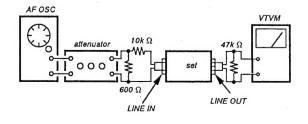
DIR MODE switch

: ===

• Standard record position:

Deliver the standard input signal level to input jack and set the REC LEVEL control to obtain the standard output signal level as follows.

#### - Record Mode -



#### Standard Input Level

Input terminal	LINE IN
source impedance	10k Ω
input signal level	0.5V ( 3.8dB)

#### Standard Output Level

Output terminal	LINE OUT
load impedance	47k Ω
output signal level	0.5V ( - 3.8dB)

#### Test Tape

Таре	Conte	nts	Use
P-4-A100	10kHz, -	- 10dB	Azimuth Adjustment
P-4-L300	315Hz,	0dB	PB Level Adjustment
WS-48B	3kHz,	0dB	Tape Speed Adjustment

0dB=0.775V

#### **Test Mode**

1. Insert a short-circuit plug into TP801 (2P) and turn ON the power switch. (Earth pin (9) of IC801 and turn ON the power switch.)

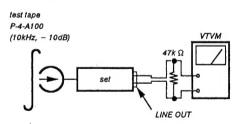
At first, all the fluorescent tubes light up, then the system returns to normal display. (However, "0000" is not displayed on the counter.)

- To release the test mode, remove the short plug and turn off the power switch.
- 3. Remove the short plug after completion of adjustment.

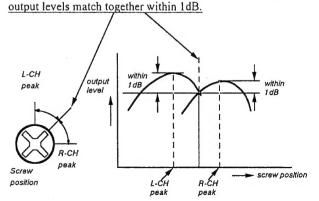
## Record/Playback Head Azlmuth Adjustment

#### Procedure:

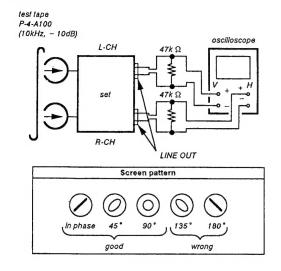
1. Forward playback Mode



2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of

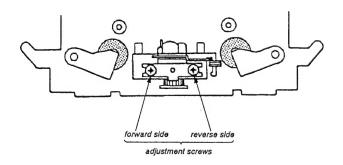


#### 3. Playback Mode



- 4. Change the reveres playback mode and repeat the steps 1 to 3.
- 5. After the adjustment, lock the adjustment screws with suitable locking compound.

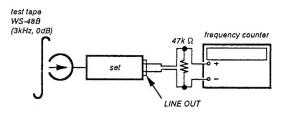
Adjustment Location: - record/playback head -



#### **Tape Speed Adjustment**

#### Procedure:

- Forward Playback Mode -



- 1. Set to FWD playback mode.
- 2. Adjust RV71 so that the frequency counter reeding becomes  $3,000 \pm 10$ Hz.

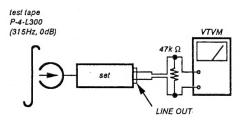
Frequency difference between the beginning and the end of the tape should be within 3%.

Adjustment Location: AUDIO board

#### Playback Level Adjustment

#### Procedure:

- Forward Playback Mode -



Adjust RV11(L-CH) and RV21(R-CH) so the VTVM reading becomes the adjustment limits below.

#### Adjustment Value:

LINE OUT level :  $-7.7 \pm 0.5$ dB (0.301 to 0.338V)

Level difference between channels: within 0.5dB

Confirm the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

Adjustment Location: AUDIO board

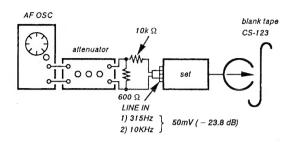
#### Record Bias Adjustment

Setting:

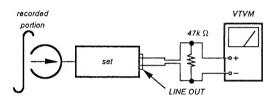
REC LEVEL control: standard record position (Refer to page 6.)

#### Procedure:

1. Record Mode



#### 2. Playback Mode



Confirm that the 10kHz playback output is  $0 \pm 0.5 dB$  relative to the 315Hz output. If necessary, adjust RV12 (L-CH), RV22 (R-CH) and repeat the steps given above.

Adjustment Location: AUDIO board

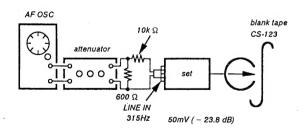
#### Record Level Adjustment

Setting:

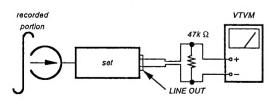
REC LEVEL control: standard record position (Refer to page 6.)

#### Procedure:

1. Record Mode



#### 2. Playback Mode



Confirm playback the tape recorded become adjustment level as follows.

If necessary, adjust RV111 (L-CH), RV211 (R-CH) and repeat the steps 1 and 2.

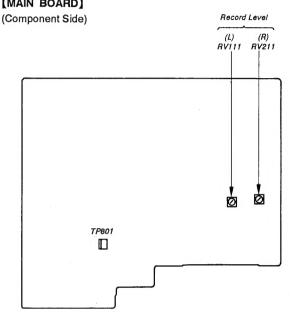
#### Adjustment Value:

LINE OUT level :  $-23.8 \pm 0.5 \text{ dB}$  (47.2 to 53.0 mV)

Adjustment Location: MAIN board

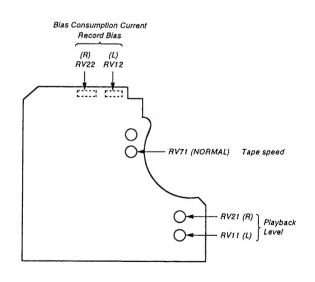
- Adjustment Parts Location Diagrams -

#### [MAIN BOARD]



#### [AUDIO BOARD]

(Conductor Side)

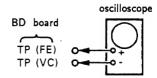


#### CD SECTION

#### Note:

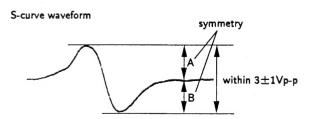
- 1. CD Block basically constructed to operate without adjustment. Therefore, check each item in order given.
- 2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
- 3. Use the oscilloscope with more than  $10M\Omega$  impedance.
- Clean an object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

#### S-Curve Check



#### Procedure:

- 1. Connect oscilloscope to test point TP (FE) on BD board.
- 2. Connect between test point TP (FEI) and TP (VC) by lead wire.
- 3. Turned Power switch on.
- 4. Put disc (YEDS-18) in and turned Power switch on again and actuate the focus search. (actuate the focus search when disc table is moving in and out.)
- 5. Check the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within  $3\pm1\text{Vp-p}$ .

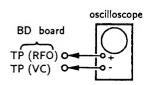


6. After check, remove the lead wire connected in step 2.

Note: • Try to measure several times to make sure that the ratio of A: B or B: A is more than 10: 7.

• Take sweep time as long as possible and light up the brightness to obtain best waveform.

#### **RF Level Check**



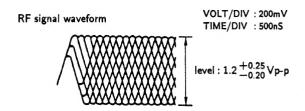
#### Procedure:

- 1. Connect oscilloscope to test point TP (RFO) on BD board.
- 2. Turned Power switch on.

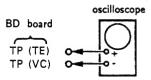
- 3. Put disc (YEDS-18) in and playback.
- 4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

#### Note:

Clear RF signal waveform means that the shape "\$\langle\$" can be clearly distinguished at the center of the waveform.



#### E-F Balance Check



#### Procedure:

- 1. Connect JW146 (ADJ) to JW145 (GND) and TP (TEI) to TP (VC) with lead wire.
- 2. Connect oscilloscope to test point TP (TE) on BD board.
- 3. Turned Power switch on.
- 4. Put disc (YEDS-18) in and playback.
- 5. Confirm that the osilloscope waveform is symmetrical on the top and bottom in relation to 0V, and check this level

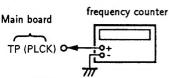
# Traverse waveform OV

6. Remove the lead wire connected in step 1.

#### RF PLL Free-run Frequency Check

#### Procedure:

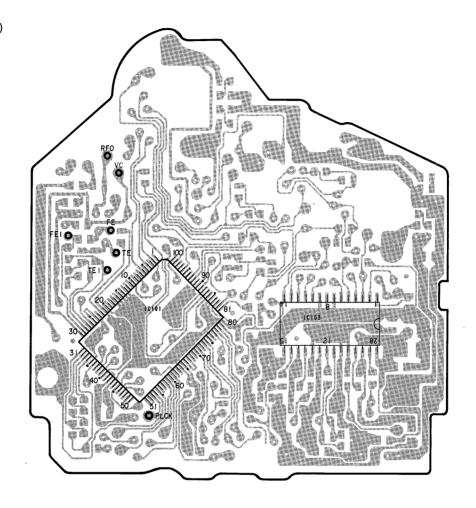
 Connect frequency counter to test point (PLCK) with lead wire.



- 2. Turned Power switch on.
- 3. Confirm that reading on frequency counter is 4.3218MHz.

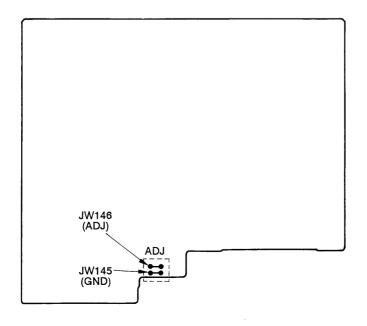
#### Adjustment Location:

# [BD BOARD] (Conductor Side)



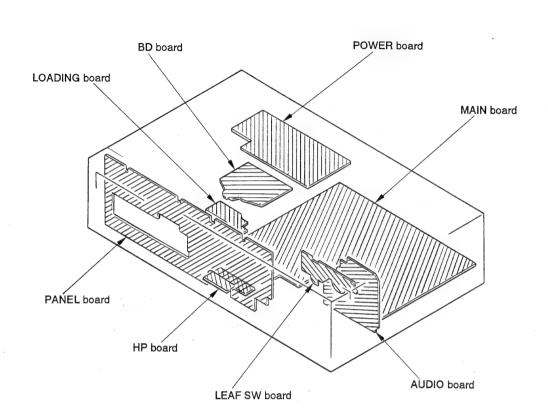
#### [MAIN BOARD]

(Component Side)



# SECTION 4 DIAGRAMS

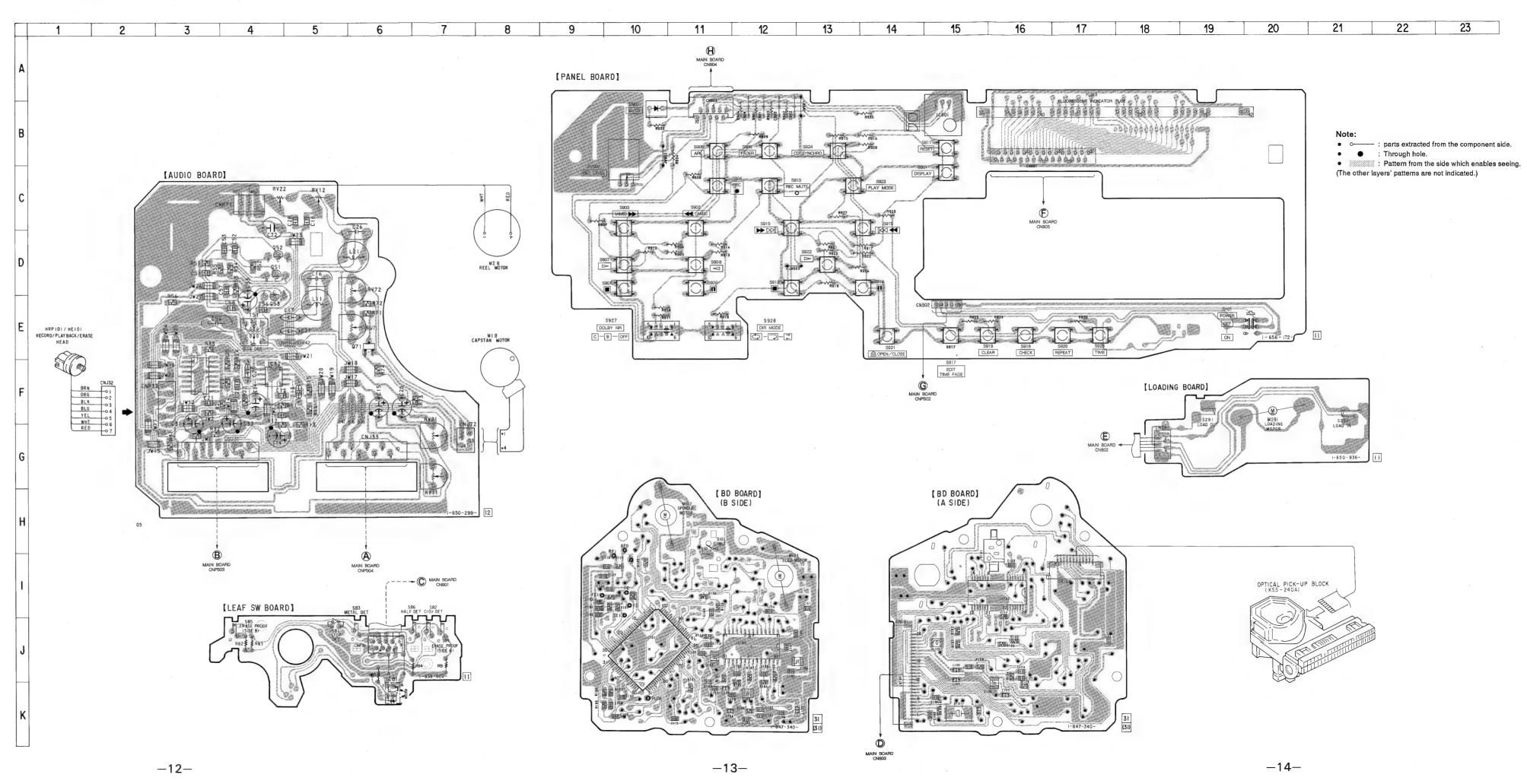
#### Circuit Boards Location

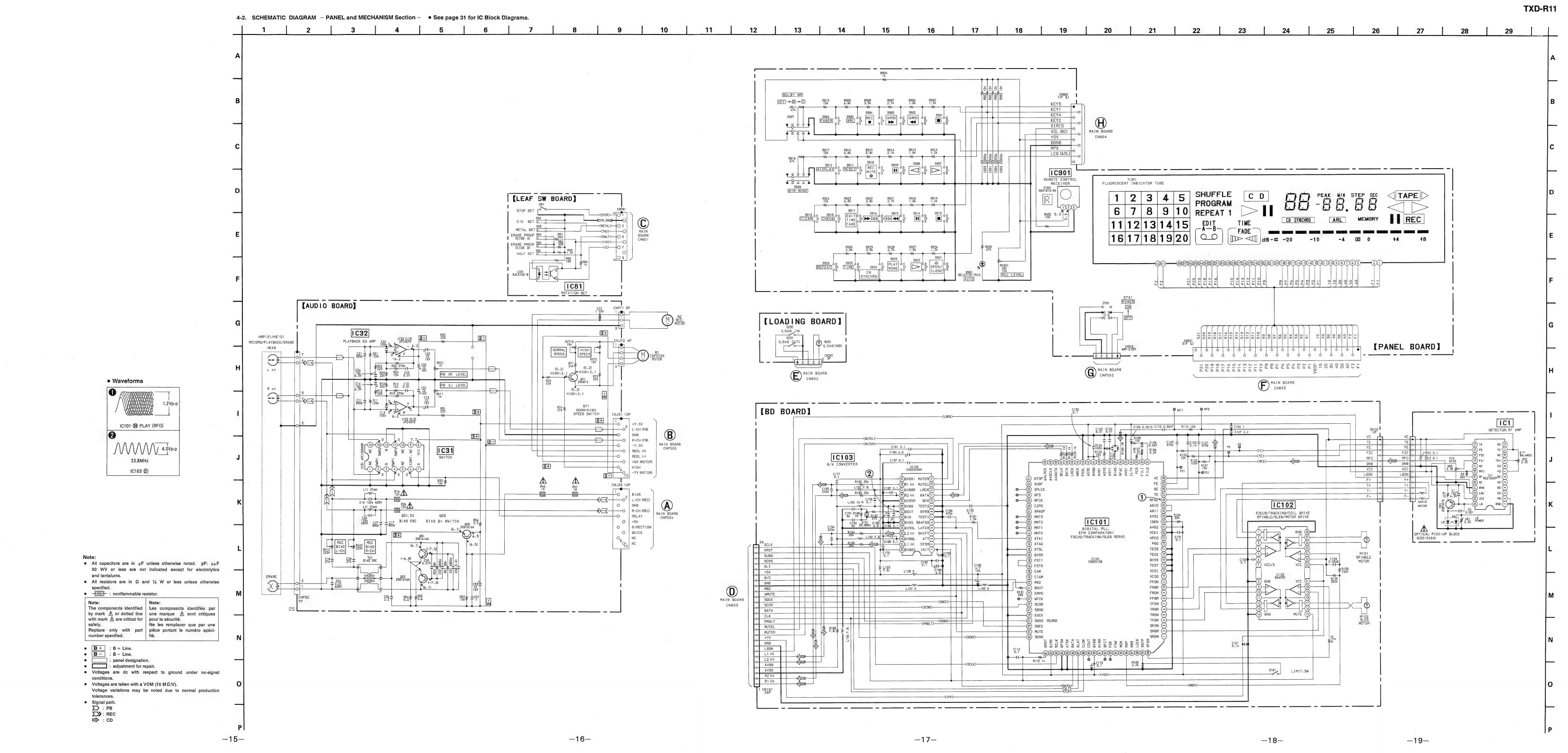


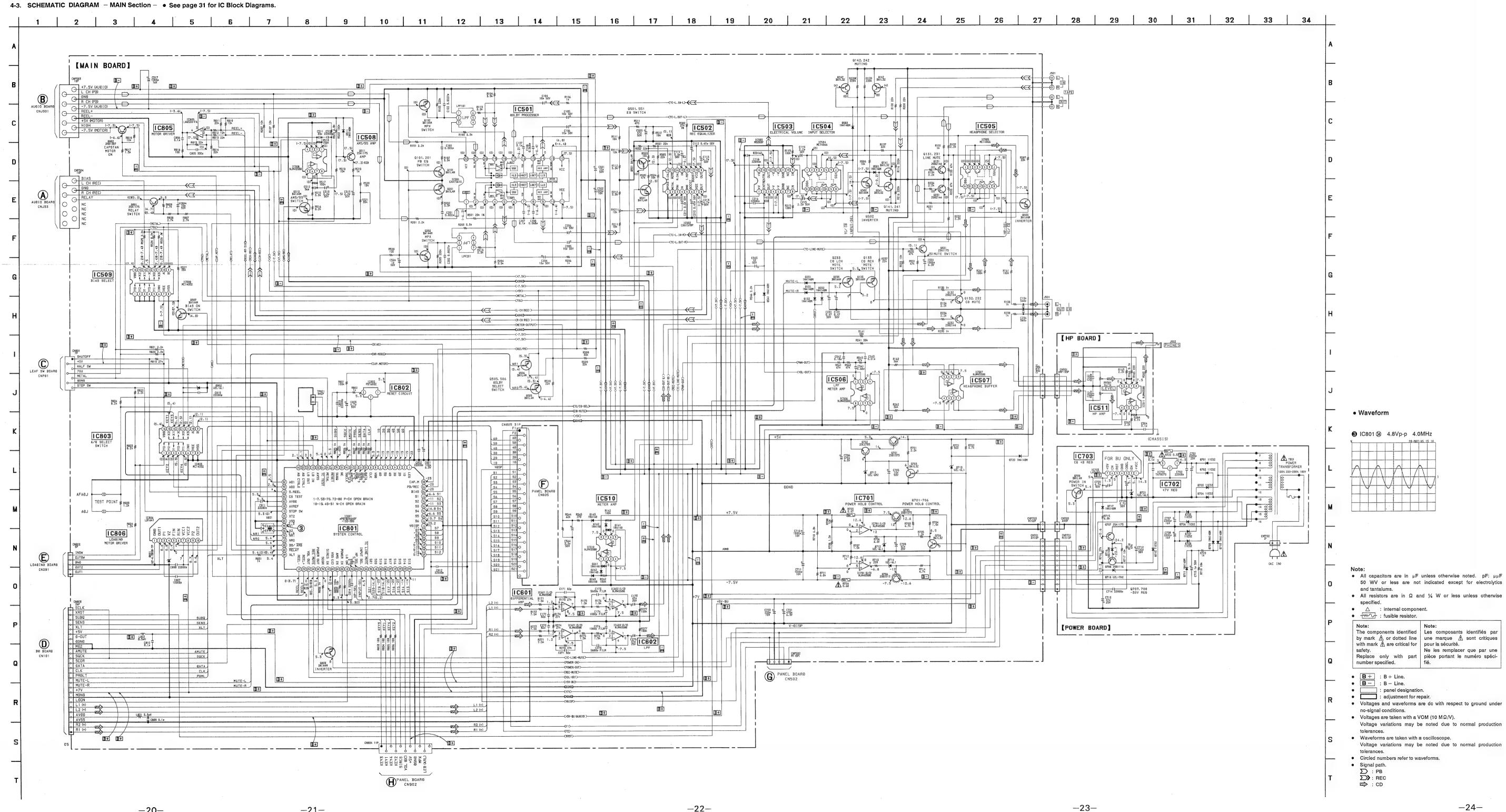
# Semiconductor Location

Locatio	n
Ref. No.	Location
D901	B-10
IC31 IC32 IC81 IC101 IC102 IC103 IC901	F-3 F-4 K-6 J-10 I-16 J-12 B-15
051 052 053 071	D-4 D-4 E-4 E-6

## 4-1. PRINTED WIRING BOARDS - PANEL and MECHANISM Section -







-20-

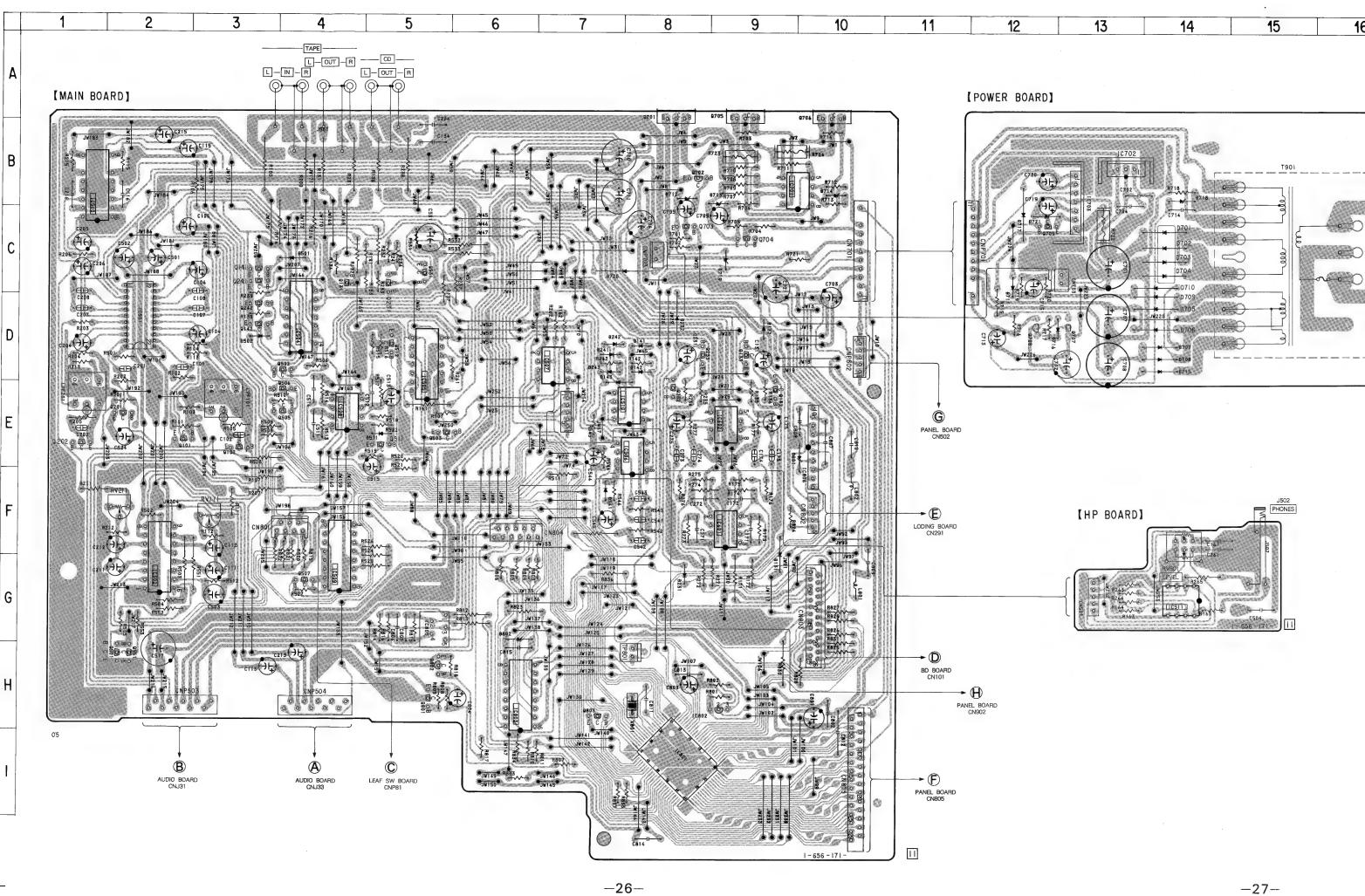
-21-

#### 4-4. PRINTED WIRING BOARDS - MAIN Section -

#### Semiconductor Location

- Gennico	nauctor	Location	
Ref. No.	Location	Ref. No.	Location
D131 D132 D141 D142 D143 D231 D232 D241 D242 D243 D501 D502	G-9 D-8 D-8 D-7 G-8 D-7 D-7 D-7 D-7	C511   C601   C602   C701   C702   C703   C801   C802   C803   C805   C806	G-14 F-9 E-9 B-13 B-13 H-9 H-6 G-5 E-10
D511 D541 D701 D702 D703 D704 D705 D706 D707 D708 D709 D710 D711 D712 D713 D714 D715 D716 D717 D718 D719 D720 D721 D801 D802	SE-7 F-7 C-14 C-14 C-14 D-14 D-14 D-14 D-14 D-14 D-12 B-9 D-13 B-10 C-16 C-16 G-16 G-16	0101 0102 0131 0132 0133 0141 0142 0201 0202 0231 0233 0241 0242 0501 0502 0503 0505 0506 0507 0512 0531 0551	E-33499333158833244544455552888C-B-C-B-B-B-B-B-B-B-B-B-B-B-B-B-B-B-B
IC501 IC502 IC503 IC504 IC505 IC506 IC507 IC508 IC509 IC510	D-2 G-2 B-1 D-4 D-5 E-8 D-7 E-4 G-4	0704 0705 0706 0707 0708 0709 0801 0802 0803	C-9 A-9 A-10 D-13 D-12 C-12 H-5 H-5 H-7

• o----: parts extracted from the component side.



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1-656-171-

18

## TXD-R11

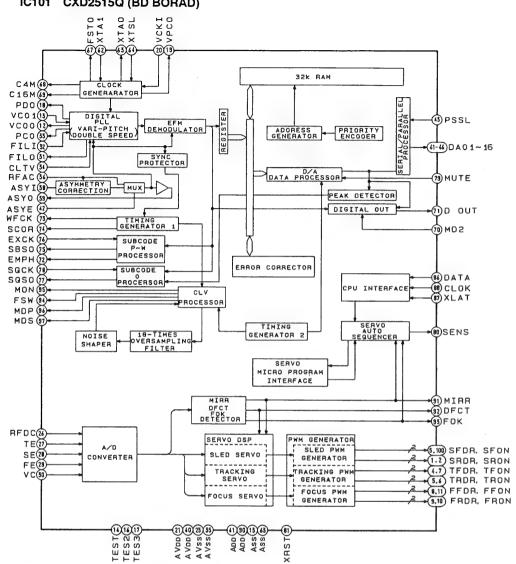
# 4-5. IC PIN FUNCTION DESCRIPTION IC801 $\,\mu$ PD78044AGF-133-3B9

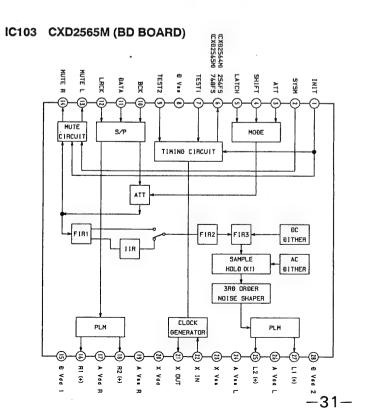
Pin No.	Pin Name	I/O	Function
1	LED	0	Auto Rec Level indicate LED ON output ("H": ON)
2	1G	0	FL tube grid output (6G)
3	2G	0	FL tube grid output (5G)
4	3G	0	FL tube grid output (4G)
5	4G ·	0	FL tube grid output (3G)
6	5G	0	FL tube grid output (2G)
7	6G	0	FL tube grid output (1G)
8	VDD	_	Power supply pin (+5 V)
9	CLK	0	Serial clock output to CDM (IC101, 103)
10	DATA	0	Serial data output to CDM (IC101, 103)
11	SENS	I	SENS signal input from CDM (IC101)
12	PGML	0	Latch clock (PRGLT) output to CDM (IC103)
13	AMUTE	0	CD mute ON output to CDM (IC101, 103). ("L": MUTE)
14	SQCLK	0	SUB-Q code serial clock output to CDM (IC101)
15	NC	_	Not used
16	SUBQ	I	SUB-Q code serial data input from CDM (IC101)
17	RESET	I	Reset input ("L": RESET)
18	METAL	I	TYPE IV cassette detect switch input
19	TC TEST	I	DECK TEST pin ("L": DECK TEST MODE)
20	AVSS	_	GND
21	LD IN	0	Loading motor rotation direction control output (OUT direction)
22	LD OUT	0	Loading motor rotation direction control output (IN direction)
23	AD CTRL1	0	ATD 1 4 4 4 (70000)
24	AD CTRL0	0	A/D select output to Selector (IC803)
25	AD1	I	A.T.: (10000)
26	AD0	I	A/D input from Selector (IC803)
27	S. REEL	I	S-REEL pulse input (A/D)
28	CD TEST	I	CD TEST pin (A/D). → See other description
29	AVDD	_	Power supply pin (+5 V)
30	AVREF	_	Reference voltage pin (+5 V)
31	STOP SW	I	DECK stop switch input ("H": STOP)
32	XT2	_	Not used
33	VSS	_	GND
34	X1	I	System clock input pin
35	X2	_	System clock
36	NR1	0	DOLDAND 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
37	NR0	0	DOLBY NR mode control output. → See other description
38	BS/AMS	0	DECK AMS/BS amp select output ("L": AMS, "H": BS)
39	RELAY	0	DECK REC/PB head relay select output ("L": REC, "H": PB)
40	XLT	0	Latch output to CDM (IC101)

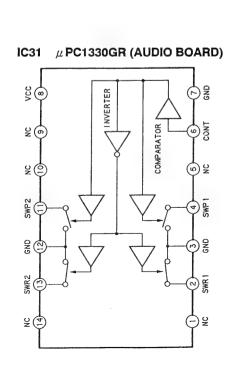
Pin No.	Pin Name	I/O	Function
41	REEL -	0	DECK reel motor rotation direction control output (to amp "-")
42	RELL+	0	DECK reel motor rotation direction control output (to amp "+")
43	VOL OUT	0	Input level control output (PWM) to LPF (IC506)
44	REC MUTE	0	REC MUTE ON output ("L": MUTE)
45	POWER OUT	0	Power hold control output ("H": HOLD)
46	SCOR	I	SCOR input from CDM (IC101)
47	SIRCS IN	I	SIRCS input
48	VSS (IC)	_	GND
49	AMS IN	I	AMS signal input ("L": BLANK, "H": MUSIC)
50	POWER IN	I	Power switch input ("L": OFF)
51	LD ON	0	Laser Diode ON output to CDM (IC1). ("H": ON)
52	VDD		Power supply pin (+5 V)
53	HP SEL	0	Headphone output select ("L": CD, "H": TAPE)
54	INPUT SEL	0	DECK Input select ("L": CD, "H": LINE IN)
55	TC LINE MUTE	0	DECK Line mute ON output ("L": MUTE)
56	S21	0	FL tube segment output (S21)
57	S20	0	FL tube segment output (S20)
58	S19	0	FL tube segment output (S19)
59	S18	0	FL tube segment output (S18)
60	S17	0	FL tube segment output (S17)
61	S16	0	FL tube segment output (S16)
62	S15	0	FL tube segment output (S15)
63	S14	0	FL tube segment output (S14)
64	S13	0	FL tube segment output (S13)
65	S12	0	FL tube segment output (S12)
66	S11	0	FL tube segment output (S11)
67	S10	0	FL tube segment output (S10)
68	S9	0	FL tube segment output (S9)
69	S8	0	FL tube segment output (S8)
70	S7	0	FL tube segment output (S7)
71	VDISP		Power supply pin (-30 V)
72	S6	0	FL tube segment output (S6)
73	S5	0	FL tube segment output (S5)
74	S4	0	FL tube segment output (S4)
75	S3	0	FL tube segment output (S3)
76	S2	0	FL tube segment output (S2)
77	S1	0	FL tube segment output (S1)
78	BIAS	0	BIAS ON output ("H": ON)
79	PB/REC	0	DOLBY NR REC/PB select output ("L": PB, "H": REC)
80	CAP. M	0	Capstan motor ON output ("H": ON)

#### • IC Block Diagrams

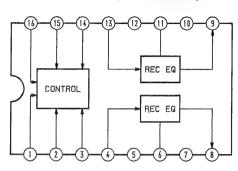
#### IC101 CXD2515Q (BD BORAD)



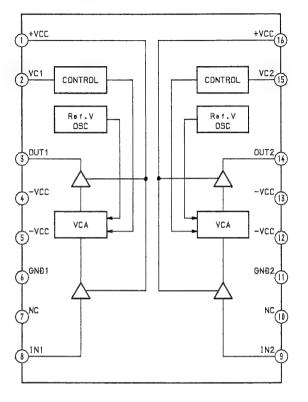




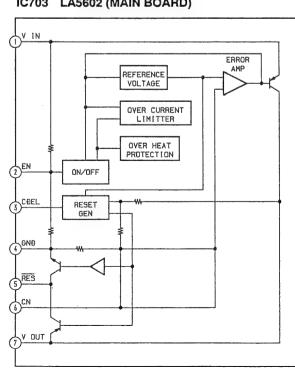
#### IC502 CXA1578P (MAIN BOARD)



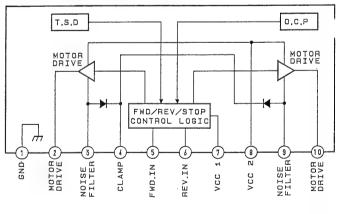
## IC503 M5283P (MAIN BOARD)



IC703 LA5602 (MAIN BOARD)



#### IC806 LB1641 (MAIN BOARD)



## SECTION 5 **EXPLODED VIEWS**

#### NOTE:

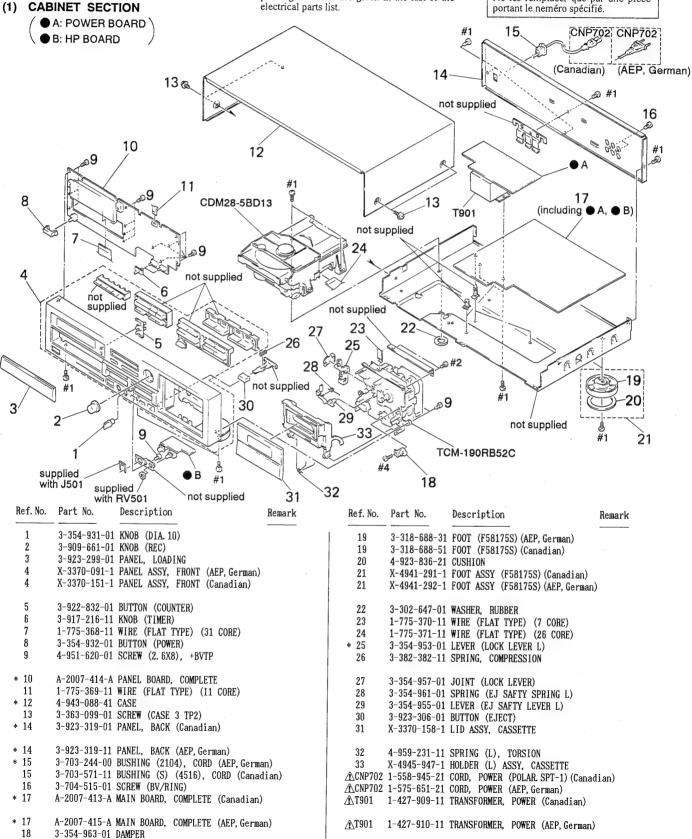
- -XX and -X mean standardized parts, so they may have some difference from the original
- Color Indication of Appearance Parts Example KNOB, BALANCE (WHITE) ... (RED) 1 1 Parts Color Cabinet's Color
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

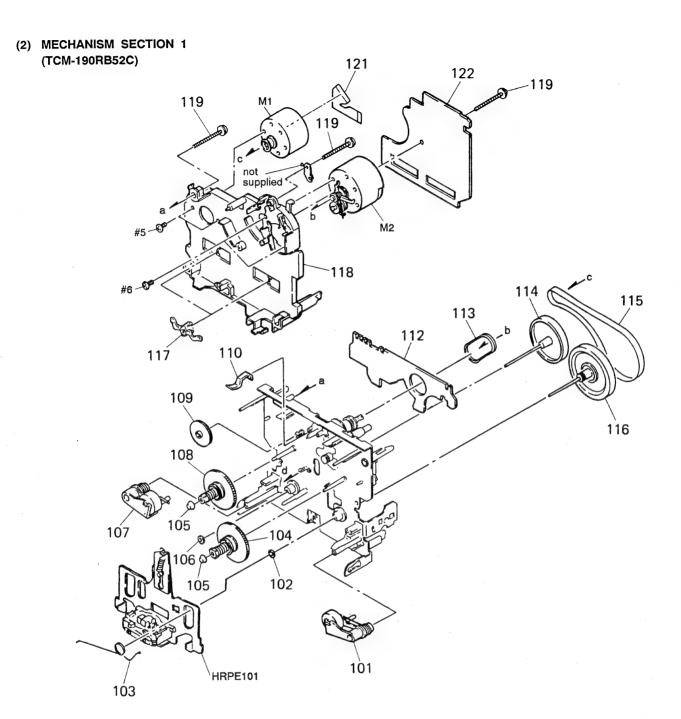
The components identified by mark A or dotted line with mark A are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque A sont critiques pour la sécurité.

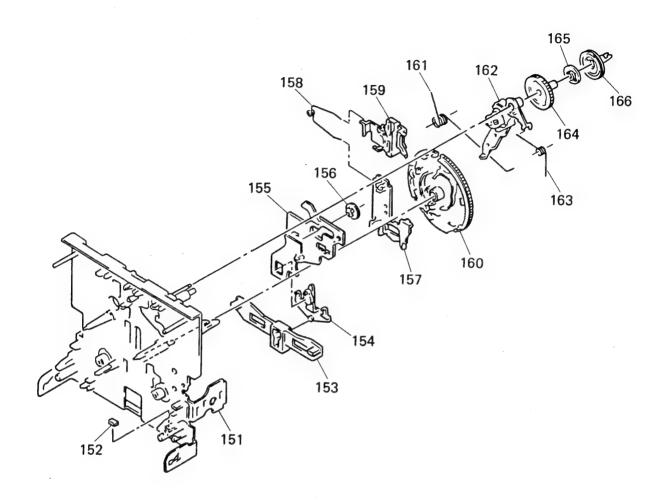
Ne les remplacer que par une pièce portant le neméro spécifié.



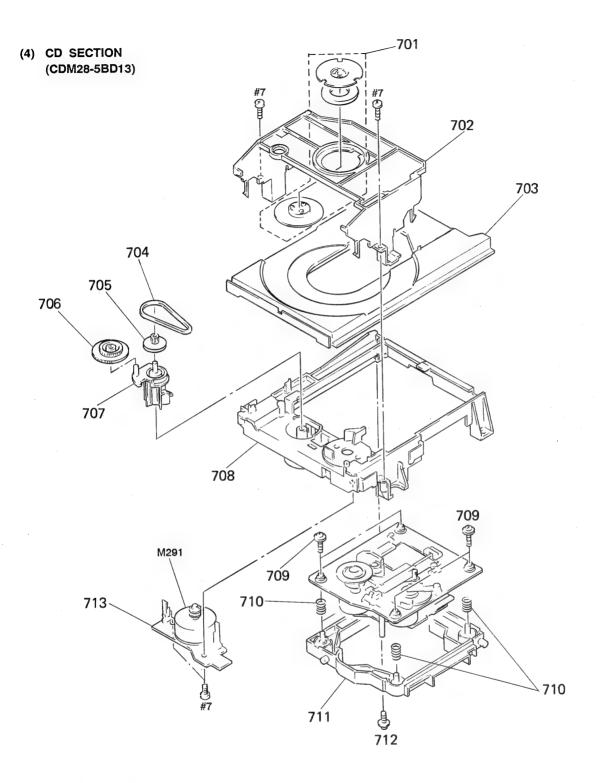


Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	 X-3366-047-1	LEVER (PINCH F) ASSY		114	X-3367-630-1	FLYWHEEL (REV) ASSY	
102	3-356-713-01			115	3-359-417-01	BELT (FLAT), CAPSTAN	
103	3-907-362-01	SPRING, TORSION	1	116	X-3367-629-1	FLYWHEEL (FWD) ASSY	
104		TABLE ASSY, REEL		117	3-575-321-00	RETAINER, THRUST, CAPSTA	N
105	3-362-308-01			118		BASE (THRUST RETAINER), F	
106	3-356-714-01	WASHER		119	3-359-414-01	SCREW (+PTPWH 2X23)	
107	X-3366-048-1	LEVER (PINCH R) ASSY		121	1-638-983-11	MOTOR FLEXIBLE	
108	X-3366-971-1	TABLE ASSY (B), REEL		* 122	A-2007-133-A	AUDIO BOARD, COMPLETE	
109	3-359-424-01	GEAR (REV GEAR)		HRPE1	01A-2003-930-A	A DECK ASSY, HEAD (PLAYBAC	K/RECORD/ERASE)
110	3-359-430-01	SPRING (CASSETTE RETAINER), L	EAF	M1	X-3365-377-2	MOTOR ASSY (CAPSTAN)	
* 112		LEAF SW BOARD		M2	X-3363-501-2	MOTOR ASSY (REEL)	
113	3-359-466-01	BELT (FR), SQUARE	1				

### (3) MECHANISM SECTION 2 (TCM-190RB52C)

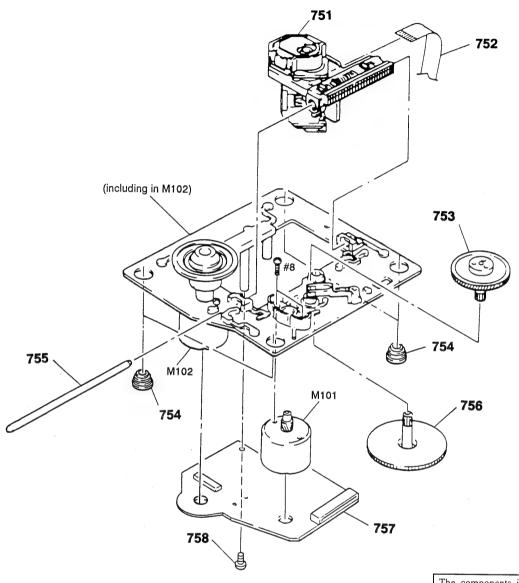


Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	X-3363-790-1	CHASSIS ASSY, MECHANICAL	<u> </u>	159	3-359-429-11	SLIDER (BRAKE PLATE)	
152	3-359-469-01	SPACER		160	3-359-420-01	GEAR (CAM GEAR)	
153	3-359-425-01	SLIDER (REVERSE SLIDER)		161	3-359-456-01	SPRING (TRIGGER SPRING), TORSION	
154	3-359-426-01	LEVER (REVERSE LEVER)		162		ARM ASSY, FR	
155	3-359-415-11	SLIDER (TRIGGER SLIDER)		163		SPRING (FR ARM), TORSION	
156	3-359-448-01	GEAR (TRIGGER)		164	3-359-419-11	GEAR (FR GEAR)	
157	3-359-427-01	SLIDER (LEVERSE SLIDER)		165	3-359-421-01	CLUTCH (REEL DISK)	
158	3-359-454-01	SPRING, TORSION		166	3-359-418-01	PULLEY (FR PULLEY)	



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
701	1-452-719-11	MAGNET ASSY		708	4-960-838-03	BASE (MD)	
702	4-960-835-01	HOLDER (M)		709	4-933-134-01	SCREW (+PTPWH M2. 6X6)	
703	4-960-836-01	TABLE, DISC		710	4-959-996-01	SPRING (932), COMPRESSION	
704	4-927-649-01	BELT		711	4-960-834-01	HOLDER (BU)	
705	4-960-841-01	PULLEY (S)		712	4-917-583-21	BRACKET, YOKE	
706	4-960-842-01	GEAR (P)		* 713	1-650-836-11	LOADING BOARD	
* 707	4-960-839-01	CAM		M291	A-4604-363-A	MOTOR (L) ASSY (LOADING)	

#### (5) BASE UNIT SECTION (BU-5BD13)



The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified

specified.

Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
753 754	1-575-001-11 4-917-567-01	INSULATOR (BU)		M101	A-4649-890-A 4-951-620-01 X-4917-504-1	GEAR (P), FLATNESS BD BOARD, COMPLETE SCREW (2. 6X8), +BVTP MOTOR ASSY (SLED) BASE (OUTSERT) ASSY (SPINDLE M	OTOR)

## **AUDIO**

## SECTION 6 **ELECTRICAL PARTS LIST**

#### NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS All resistors are in ohms. METAL: Metal-film resistor. METAL OXIDE: Metal oxide-film resistor. F:nonflammable

COILS uH:  $\mu$ H

● Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

 SEMICONDUCTORS In each case,  $u:\mu$ , for example:

uA..: μA.. uPA..: μPA.. uPC..: μPC.. uPD..: μPD.. uPB..: μPB..

CAPACITORS When indicating parts by uF:  $\mu$ F reference number, please include the board.

The components identified by mark A or dotted line with mark A are critical for safety.

Replace only with part number Replace only specified.

Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le neméro spécifié.

Ref. No.	Part No.	Description		Rei	mark	Ref. No.	Part No.	Description	R	Remark
*	A-2007-133-A	AUDIO BOARD, CC				* CNP71	1-564-719-11	PIN, CONNECTOR	(SMALL TYPE) 3P	
		*****						< IC >		
		< CAPACITOR $>$				1001	0 750 040 91	TCDC1220ACE		
	4 400 404 00	arranta autr	OOODE	EW	50V	IC31 IC32	8-759-249-21	IC uPC1330AGF	ı	
C11		CERAMIC CHIP	390PF	5%		1032	0-733 100 02	10 010407002		
C12		CERAMIC CHIP	100PF	5% 5%	50V			< JUMPER RESIST	ror >	
C13	1-136-153-00		0. 01uF	5%	50V			V JOHN DIL INDIDI	.on /	
C14	1-126-177-11		100uF	20%	10V	JW1	1-216-295-00	METAL CHIP	0 5% 1/10	DW .
C15	1-124-234-00	ELECT	22uF	20%	16V	l l	1-216-295-00		0 5% 1/10	
			40000	E0v	00017	JW2 JW11		CONDUCTOR, CHI		,,,
C16	1-136-434-11		120PF	5%	630V			CONDUCTOR, CHI		
C17	1-164-080-11		390PF	10%	50V	JW12		CONDUCTOR, CHII		
C18		CERAMIC CHIP	27PF	5%	50V	JW13	1-210-290-91	CONDUCTOR, CITI	(3210)	
C21	_	CERAMIC CHIP	390PF	5%	50V	TW14.4	1 010 000 01	CONDUCTOR CUI	P (3216)	
C22	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	JW14		CONDUCTOR, CHI		
						JW15		CONDUCTOR, CHI		
C23	1-136-153-00		0. 01uF	5%	50V	JW16		CONDUCTOR, CHI		
C24	1-126-177-11		100uF	20%	10V	JW17		CONDUCTOR, CHI		
	1-124-234-00		22uF	20%	16V	JW18	1-216-296-91	CONDUCTOR, CHI	P (3216)	
C26	1-136-434-11		120PF	5%	630V	7774.0	4 040 000 04	CONDUCTOR CITY	D (2016)	
C27	1-164-080-11	CERAMIC	390PF	10%	50V	JW19		CONDUCTOR, CHI		
						JW20		CONDUCTOR, CHI		
C28		CERAMIC CHIP	27PF	5%	50V	JW21		CONDUCTOR, CHI	·	
C31	1-124-234-00	ELECT	22uF	20%	16V	JW22		CONDUCTOR, CHI		
C32	1-124-234-00	ELECT	22uF	20%	16V	JW23	1-216-296-91	CONDUCTOR, CHI	P (3216)	
C33	1-124-234-00		22uF	20%	16V			CONDUCTION OUT	D (001C)	
C51	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V	JW24		CONDUCTOR, CHI		
						JW25		CONDUCTOR, CHI		
C52	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V	JW26		CONDUCTOR, CHI		
C53	1-163-023-00	CERAMIC CHIP	0. 015uF	5%	50V	JW27	1-216-296-91	L CONDUCTOR, CHI	P (3216)	
C54	1-136-601-11	. FILM	0. 01uF	5%	630V					
C56	1-164-505-11	CERAMIC CHIP	2. 2uF		16V			< COIF >		
C57	1-164-346-11	CERAMIC CHIP	1uF		16V					
						L11	1-410-780-1		27mH	
C58	1-164-232-11	CERAMIC CHIP	0. 01uF		50V	L21	1-410-780-1	1 INDUCTOR	27mH	
C72	1-109-889-11	ELECT	1uF	20%	50V					
								< TRANSISTOR >	<b>&gt;</b>	
		< JACK >								
						Q51			2SD1616A-K	
* CNJ31	1-580-782-11	L CONNECTOR, BOA	ARD TO BOARD			Q52			2SD1616A-K	
		CONNECTOR, BOA				Q53			2SD1616A-K	
CNJ72	1-764-902-13	CONNECTOR, FFO	C/FPC 4P			Q71	8-729-216-2	2 TRANSISTOR 2	2SA1162-G	
		< connector >						< RESISTOR >		
* CNP32	1-580-781-1	1 PIN, CONNECTO	R (PC BOARD)	7P		R11	1-216-099-0	O METAL CHIP	120K 5% 1/1	10₩

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description		Ren	nark
R12	1-216-033-00	METAL CHIP	220	5%	1/10W	C107	1-164-505-11	CERAMIC CHIP	2. 2uF		16V
R13	1-216-081-00	METAL CHIP	22K	5%	1/10W	C108		CERAMIC CHIP	0. 047uF		50V
R14	1-216-075-00	METAL CHIP	12K	5%	1/10W	C109		CERAMIC CHIP	0. 0015uF	10%	50V
R15	1-216-107-00	METAL CHIP	270K	5%	1/10W	C110		CERAMIC CHIP	0. 0047uF	5%	50V
						C111		CERAMIC CHIP	100PF	5%	50V
R16	1-249-430-11		12K	5%	1/4W						
R21	1-216-099-00		120K	5%	1/10₩	C112	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
R22	1-216-033-00		220	5%	1/10W	C113	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
R23	1-216-081-00		22K	5%	1/10W	C123	1-164-232-11	CERAMIC CHIP	0. 01uF		50V
R24	1-216-075-00	METAL CHIP	12K	5%	1/10W	C124	1-164-005-11	CERAMIC CHIP	0. 47uF		25V
						C131	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
R25	1-216-107-00		270K		1/10W						
R26	1-249-430-11		12K	5%	1/4W	C132		CERAMIC CHIP	0. 1uF		25V
R31	1-216-033-00		220	5%	1/10W	C133		CERAMIC CHIP	0. 1uF		25V
R32	1-216-033-00		220	5%	1/10W	C153	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
R33	1-216-073-00	METAL CHIP	10K	5%	1/10W	C159	1-163-019-00	CERAMIC CHIP	0. 0068uF	10%	50V
						C161	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
<b></b> ΛR41	1-249-393-11		10	5%	1/4W F						
<b><u>∧</u>R42</b>	1-249-393-11		10	5%	1/4W F	C177	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
R51	1-216-689-11		39K		1/10W	C178	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
R52	1-216-689-11		39K		1/10W	C179	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
R53	1-216-073-00	METAL CHIP	10K	5%	1/10 <b>W</b>	C181	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
25.4	4 040 000 00		_			C182	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
R54	1-216-309-00		5. 6	5%	1/10W						
R55	1-216-309-00		5. 6	5%	1/10W	C183	1-135-156-21	TANTALUM CHIP	6. 8uF	10%	10V
R56	1-216-298-00		2. 2	5%	1/10W	C184		TANTALUM CHIP	6. 8uF	10%	10V
R71	1-216-082-00		24K	5%	1/10W	C185		TANTALUM CHIP	6. 8uF	10%	10V
R72	1-216-081-00	METAL CHIP	22K	5%	1/10W	C186	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
						C187	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
R73	1-216-089-91		47K	5%	1/10W						
R74	1-216-089-91	METAL GLAZE	47K	5%	1/10W	C188	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
						C191	1-163-091-00		8PF		50V
		< VARIABLE RESI	STOR >			C192	1-163-091-00		8PF		50V
D174.4	4 044 804 44		"			C193	1-163-125-00		220PF	5%	50V
RV11		RES, ADJ, CARBO				C194	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
RV12		RES, ADJ, CARBO									
RV21 RV22		RES, ADJ, CARBO				C195	1-163-038-00		0. 1uF		25V
		RES, ADJ, CARBO				C196	1-163-005-11		470PF	10%	50V
RV71	1-241-630-11	RES, ADJ, CARBO	N 10K	(NORMA	L SPEED)	C197	1-163-038-00	CERAMIC CHIP	0. 1uF		25V
RV72	1-241-630-11	RES, ADJ, CARBO	N 10K	(HIGH	SPEED)			< CONNECTOR >			
		< TRANSFORMER >				CN101	1-601-100-21	CONNECTOR, FPC	26D		
		,						CONNECTOR, FPC		19D	
T51	1-423-980-11	TRANSFORMER, BI	AS OSC	ILLATI	ON	01102	1 000 771 11	COMMEDICITY IIV	(I. OMMI) (ZII)	141	
*****	*****	******	*****	*****	******			< IC >			
	A-4649-890-A I	BD BOARD, COMPL	ETE			IC101	8-752-361-94	IC CXD2515Q			
	*	******	***			IC102	8-759-176-09	IC BA6392FP			
						IC103	8-752-367-61	IC CXD2565AM			
	<	CAPACITOR >									
0101	1 100 005 44 0	IDDANIA AVID	48000					< COIL >			
C101	1-163-005-11 (		470PF		10% 50V						
C102	1-163-038-00 0		0. 1uF		25V			INDUCTOR, FERR			
C103 C105	1-163-005-11 0		470PF		10% 50V			INDUCTOR, FERRI			
C105	1-135-155-21 T		4. 7uF		10% 16V	1		INDUCTOR, FERRI			
0100	1-164-346-11 0	ENAMIC CHIP	1uF		16V	1	1-216-001-00		10 5%	1/10W	
						L105	1-216-295-00 1	METAL CHIP	0 5%	1/10W	
						Note:		Note:			7
						The co	omponents ide	enti- Les com	posants identi	fiés par	
						fied by	mark A or do	tted une marc	ue \Lambda sont		
						ritical	th mark A for safety.		curité. Emplacer que	par line	
						Replace	only with	part   pièce por	tant le nemér		
						number	specified.	fié.			1

					_										
BD	L	EAF SW	LOAI	DINC	À	MAIN	HP	P	OWER						
	Ref. No.	Part No.	Description			Remark	Re	f. No.	Part No.	Descr	iption			Rema	ırk
•	L106	1-/1/1-23/1-11	INDUCTOR, FERR	ITF RFAI	n		1			< IC :	>	•			
	L107	1-216-295-00		0	5%	1/10W									
	L108	1-216-295-00		0	5%	1/10W		IC81	8-749-924-10	IC	PHONT R	EFLECTOR	NJL516	5K-B (H1)	
			< RESISTOR >							< RES	ISTOR >	•			
	R101	1-216-077-00	METAL CHIP	15K	5%	1/10W		R81	1-249-414-11	CARBO	N	560	5%	1/4W	
	R102	1-216-097-00		100K	5%	1/10W		R82	1-247-818-11	CARBO	N	300	5%	1/4W	
	R103	1-216-077-00	METAL CHIP	15K	5%	1/10W		R83	1-247-834-11	CARBO	N	1. 3K		1/4W	
	R104	1-216-085-00	METAL CHIP	33K	5%	1/10W		R84	1-249-417-11	CARBO	N	1K	5%	1/4W	
	R105	1-216-065-00	METAL CHIP	4. 7K	5%	1/10 <b>W</b>		R85	1-249-408-11	CARBO	N	180	5%	1/4W	
	R106	1-216-061-00	METAL CHIP	3. 3K	5%	1/10W				< SWI	TCH >				
	R107	1-216-061-00		3. 3K		1/10W									
	R108	1-216-073-00		10K	5%	1/10W		S81	1-571-958-11				(STOP)		
	R109	1-216-121-91		1M	5%	1/10W		S82	1-571-281-21	SWITC	H, LEAF	(Cr02)			
	R110	1-216-025-00		100	5%	1/10W		S83	1-571-281-21	SWITC	H, LEAF	(METAL)			
								S84	1-571-281-21						
	R112	1-216-049-00	METAL CHIP	1K	5%	1/10W		S85	1-571-281-21	SWITC	H, LEAF	(REC B)			
	R122	1-216-295-00	METAL CHIP	0	5%	1/10W									
	R123	1-216-073-00	METAL CHIP	10K	5%	1/10W		S86	1-571-281-21						
	R124	1-216-097-00		100K	5%	1/10W	**	*****	******	*****	*****	*****	*****	******	****
	R125	1-216-049-00		1K	5%	1/10W									
							*		1-650-836-11	LOADI	NG BOAL	RD			
	R126	1-216-049-00	METAL CHIP	1K	5%	1/10W				****	*****	k*			
	R127	1-216-049-00	METAL CHIP	1K	5%	1/10W									
	R131	1-216-037-00		330	5%	1/10W				< CO!	INECTOR	>			
	R158	1-216-111-91	METAL GLAZE	390K	5%	1/10W									
	R159	1-216-101-00	METAL CHIP	150K	5%	1/10W	*	CN291	1-568-943-11	l PIN,	CONNEC	TOR 5P			
	R181	1-216-053-00	METAL CHIP	1. 5K	5%	1/10W				< SW	TCH >				
	R182	1-216-080-00		20K	5%	1/10W									
	R183	1-216-080-00		20K	5%	1/10W		S291	1-572-086-11	L SWIT	CH, LEA	F (LOAD (	OUT)		
	R184	1-216-080-00	METAL CHIP	20K	5%	1/10W		S292	1-572-086-1	SWIT	CH, LEA	F (LOAD )	IN)		
	R185	1-216-080-00	METAL CHIP	20K	5%	1/10W	*	*****	*****	*****	******	******	*****	*****	****
	D107	1-216-035-00	METAL CHID	270	5%	1/10W	*		A-2007-413-	A MATN	BOARD.	COMPLET	E (Cana	dian)	
	R187	1-216-035-00		1M	5%	1/10W	*		A-2007-415-	A MAIN	BOARD.	COMPLET	E (AEP.	German)	
	R189		I METAL GLAZE I INDUCTOR, FER			1/1011			11 2001 120			******		·	
	1103	1-414-234 11	I INDUCTOR, I LR	IIIIL DL	ıν										
			< SWITCH >							HP B					
	S101	1-572-085-11	SWITCH, LEAF	(LIMIT)											
	5101	1 0/2 000 11		(=====,							R BOARD				
			< VIBRATOR >							****	*****				
	X101	1-579-904-11	I VIBRATOR, CRY	STAL (3	3. 8MF	Iz)			4-902-345-0				4-1		
	*****	*******	******	******	****	*****			7-685-871-0	1 SCRE	W +BVTT	3X6	(S)		
	*	1-638-020-11	1 LEAF SW BOARD	)						< CA	PACITOR	<b> </b>			
		1 500 820 11	*********												
								C101	1-136-157-0	O FILM		0.0	22uF	5%	50V
			< CONNECTOR >	>				C102	1-137-457-1	1 FILM		0.0	027uF	5%	50V
								C104	1-124-907-1	1 ELEC	T	10u	F	20%	50V
	* CNP81	1-568-850-1	1 SOCKET, CONNE	ECTOR 7P				C105	1-124-907-1	1 ELEC	T	<b>1</b> 0u	ıF	20%	50V
	2.1. 0		,					C106	1-124-907-1	1 ELEC	T	10u	F	20%	50V
								C107	1-136-165-0	O FILM	[	0. 1	uF	5%	50V
							1	0101	1 100 100 0					-	



Ref. No.	Part No.	Description		Re	emark	Ref. No.	Part No.	Description		Re	emark
C108	1-136-163-00	FILM	0. 068uF	 5%	50V I	C544		EI ECT	3. 3uF	20%	50V
C111	1-126-962-11		3. 3uF	20%	50V	C545	1-124-907-11		o. our 10uF	20%	50V 50V
C112	1-124-902-00		0. 47uF	20%	50V	C701	1-126-943-11		2200uF		
C113	1-126-963-11		4. 7uF	20%	50V	C701	1-161-494-00			20%	25V
0110	1 120 303 11	LLLOI	4. /ur	∠U/0	JUY				0. 022uF	0.00	25V
C115	1-124-925-11	FLECT	2. 2uF	20%	100V	C703	1-104-666-11	ELECT	220uF	20%	10V
C116	1-161-494-00		0. 022uF	200	25V	C704	1 104 150 11	CEDANIC	0.1		FOU
C131	1-124-902-00		0. 022di 0. 47uF	20%	50V		1-164-159-11		0. 1uF	0.00/	50V
C134	1-162-291-31		560PF	10%	I	C705	1-124-907-11		10uF	20%	50V
C161	1-162-305-11		0. 0068uF		50V	C706	1-126-941-11		470uF	20%	6. 3V
0101	1-102-303-11	CENAMIC	u. uuoour	30%	16V	C707	1-126-768-11		2200uF	20%	16V
C171	1-162-280-31	CEDAMIC	82PF	100	FOY	C708	1-126-768-11	ELECT	2200uF	20%	16V
C172	1-162-280-31			10%	50V	0700	4 404 455 44	DI DOM			
C172			82PF	10%	50V	C709	1-124-477-11		47uF	20%	25V
	1-130-480-00		0. 0056uF	5%	50V	C710	1-124-473-11		1000uF	20%	10V
C174	1-130-471-00		0.001uF	5%	50V	C711	1-124-473-11		1000uF	20%	10V
C175	1-124-477-11	ELECT	47uF	20%	25V	C712	1-124-122-11		100uF	20%	50V
2004						C713	1-124-477-11	ELECT	47uF	20%	25V
C201	1-136-157-00		0. 022uF	5%	50V						
C202	1-137-457-11		0. 0027uF	5%	50V	C714	1-161-494-00	CERAMIC	0. 022uF		25V
C204	1-124-907-11		10uF	20%	50V	C715	1-124-903-11	ELECT	1uF	20%	50V
C205	1-124-907-11		10uF	20%	50V	C719	1-126-963-11	ELECT	4. 7uF	20%	50V
C206	1-124-907-11	ELECT	10uF	20%	50V	C720	1-126-963-11	ELECT	4. 7uF	20%	50V
						C721	1-126-941-11	ELECT	470uF	20%	6. 3V
C207	1-136-165-00		0. 1uF	5%	50V						
C208	1-136-163-00	FILM	0.068uF	5%	50V	C801	1-124-443-00	ELECT	100uF	20%	10V
C211	1-126-962-11	ELECT	3. 3uF	20%	50V	C802	1-161-494-00		0. 022uF		25V
C212	1-124-902-00	ELECT	0. 47uF	20%	50V	C803	1-126-963-11		4. 7uF	20%	50V
C213	1-126-963-11	ELECT	4. 7uF	20%	50V	C804	1-124-907-11		10uF	20%	50V
						C805	1-162-288-31		330PF	10%	50V
C215	1-124-925-11	ELECT	2. 2uF	20%	100V				00011	2070	001
C216	1-161-494-00	CERAMIC	0. 022uF		25V	C806	1-164-159-11	CERAMIC	0. 1uF		50V
C231	1-124-902-00	ELECT	0. 47uF	20%	50V	C807	1-162-306-11		0. 01uF	30%	16V
C234	1-162-291-31		560PF	10%	50V	C808	1-161-494-00		0. 022uF	00%	25V
C261	1-162-305-11		0.0068uF	30%	16V	C809	1-164-159-11		0. 1uF		50V
						C810	1-164-159-11		0. 1uF		50V
C271	1-162-280-31	CERAMIC	82PF	10%	50V	0020	1 101 100 11	OLIGINIO	o. Iui		301
C272	1-162-280-31		82PF	10%	50V	C811	1-161-494-00	CFRAMIC	0. 022uF		25V
C273	1-130-480-00		0. 0056uF	5%	50V	C812	1-161-494-00		0. 022uF		25V 25V
C274	1-130-471-00		0. 001uF	5%	50V	C813	1-161-494-00				
C275	1-124-477-11		47uF	20%	25V	C814			0. 022uF		25V
0210	1 121 177 11	ELLOI	47ui	20/9	234	C815	1-161-494-00 1-161-494-00		0. 022uF		25V
C501	1-124-907-11	FLECT	10uF	20%	50V	0013	1-101-494-00	CERAMIC	0. 022uF		25V
C502	1-104-666-11		220uF	20%	10V			/ CONNECTOR >			
C503	1-124-477-11		47uF	20%	25V			< CONNECTOR >			
	1-164-159-11		0. 1uF	20%		+ CN001	1 500 000 11	GOGIZEM GOUVEAN	OD 50		
	1-162-211-31		33PF	EW	1			SOCKET, CONNECTO			
0311	1 102 211-31	CENAMIC	JJFF	5%				SOCKET, CONNECTO			
C512	1-162-217-31	CEDAMIC	ECDE	EW		* UNBUD	1-568-845-11	SOCKET, CONNECTO	OR 31P		
			56PF	5%	50V			(			
	1-124-925-11		2. 2uF	20%	100V			< CONNECTOR >			
C514	1-161-494-00		0. 022uF	one.	25V	. Allege :	4 500 000 1	D			
	1-124-925-11		2. 2uF	20%				PIN, CONNECTOR 5			
C517	1-126-952-11	FLECI	1000uF	20%				PIN, CONNECTOR 5			
dro.c	1 104 000 44	CI COM	4 17	05				CONNECTOR, BOARD			
	1-124-903-11		1uF	20%				CONNECTOR, BOARD			
	1-126-916-11		1000uF	20%	6. 3V	CNP701	1-766-272-11	PIN, CONNECTOR (	(PC BOARD)	10P	
	1-136-175-00 I		0. 68uF	5%	50V						
	1-136-168-00 I		0. 18uF	5%	l l			PIN, CONNECTOR (			
C543	1-136-153-00 I	FILM	0. 01uF	5%	50V	CNP703	1-766-275-11	PIN, CONNECTOR (	(PC BOARD)	2P	

MAIN	HP	POWER

D131	8-719-987-63	< DIODI	E >		10500				
D131	8-719-987-63					8-759-000-48		IC14052B(	CP CP
D191		DIODE	1N4148M		10310	8-759-634-51	10 1	15218AP	
D100					IC511	8-759-634-51	IC I	15218AP	
D132	8-719-987-63		1N4148M	İ		8-759-634-51		15218AP	
D141	8-719-987-63		1N4148M			8-759-634-51		15218AP	
D142	8-719-987-63		1N4148M					15218AP	
D143	8-719-987-63	DIODE	1N4148M			8-759-634-51		A7807S	
					16702	8-759-071-48	10	ATOUTS	
D231	8-719-987-63		1N4148M		1,000.0	0 750 001 05	10	AECO2	
D232	8-719-987-63		1N4148M			8-759-061-65		A5602	1.CP 4.00 0D0
D241	8-719-987-63	DIODE	1N4148M			8-759-357-17			AGF-133-3B9
D242	8-719-987-63	DIODE	1N4148M			8-759-165-82		PST600E-	
D243	8-719-987-63	DIODE	1N4148M			8-759-000-48		MC14052B	
					IC805	8-759-803-42	IC	JA6500-F	A
D501	8-719-987-63	DIODE	1N4148M						
D502	8-719-987-63	DIODE	1N4148M		IC806	8-759-822-09	IC	LB1641	
D511	8-719-987-63	DIODE	1N4148M						
D541	8-719-987-63	DIODE	1N4148M				< JAC	K >	
D701	8-719-024-99	DIODE	11ES2-NTA2B						
					J501	1-565-320-81	JACK,	PIN 6P(	CD LINE OUT, TC LINE IN/OU
D702	8-719-024-99	DIODE	11ES2-NTA2B		J502	1-507-796-71	JACK	(PHONES)	
D703	8-719-024-99		11ES2-NTA2B	·					
D703	8-719-024-99		11ES2-NTA2B				< C0I	և >	
D704	8-719-024-99		11ES2-NTA2B						
D703	8-719-024-99		11ES2-NTA2B		L801	1-410-322-11	INDUC	TOR	3. 3uH
וויע	0-713-024-33	DIODE	IILDZ MINZD		L802	1-410-322-11			3. 3uH
D707	0 710 024 00	DIODE	11ES2-NTA2B		2002	1 410 022 11	111000	1010	0. 04.1
D707	8-719-024-99						< FIL	TER >	
D708	8-719-024-99		11ES2-NTA2B				\ 1 1L	ILI /	
D709	8-719-987-63		1N4148M		1 004.04	1 000 000 11	D I L TOD	D IOW D	ACC
D710	8-719-987-63		1N4148M			1-239-355-11			
D711	8-719-987-63	DIODE	1N4148M		LPFZUI	1-239-355-11	. LIPIE	R, LUW P	ASS
D712	8-719-000-60	DIODE	UZL-6M2				< TRA	NSISTOR	>
D712	8-719-933-33		HZS6A1L						
	8-719-933-33		HZS6A1L		0101	8-729-900-89	TRANS	ISTOR	DTC144ES
					0102	8-729-900-80			DTC114ES
D715	8-719-024-99		11ES2-NTA2B		•	8-729-922-37			2SD2144S
D716	8-719-987-63	DIODE	1N4148M		Q131	8-729-922-37			2SD2144S
			43144 4034		Q132				
	8-719-987-63		1N4148M		Q133	8-729-900-61	I IKANS	1210u-	DTA114ES
D718	8-719-933-50		HZS7C2L		04.44	0 700 000 7	( TPD 1374	TOTOR	DTC1 AOTC
	8-719-933-33		HZS6A1L		Q141	8-729-900-74			DTC143TS
D720	8-719-987-63		1N4148M		Q142	8-729-900-74			DTC143TS
D721	8-719-933-33	DIODE	HZS6A1L		Q201	8-729-900-89			DTC144ES
		•			Q202	8-729-900-80			DTC114ES
D801	8-719-010-29	DIODE	UZ-4. 3BSB		Q231	8-729-922-37	7 TRANS	ISTOR	2SD2144S
D802	8-719-933-33	DIODE	HZS6A1L						
					Q232	8-729-922-3	7 TRANS	ISTOR	2SD2144S
		< IC >	>		Q233	8-729-900-6	1 TRANS	ISTOR	DTA114ES
					Q241	8-729-900-74	4 TRANS	SISTOR	DTC143TS
10501	8-752-060-46	IC (	CXA1561S		Q242	8-729-900-7	4 TRANS	SISTOR	DTC143TS
	8-752-055-61		CXA1578P		Q501	8-729-900-8			DTC144ES
	8-759-635-26		M5283P						
	8-759-000-49		MC14066BCP	·	Q502	8-729-900-8	TRANS	SISTOR	DTC114ES
					Q502 Q503	8-729-900-8			DTC114ES
10505	8-759-000-49	10 1	MC14066BCP		1	8-729-900-6			DTA144ES
	0 850 004 5	то .	WEG4 OAD		Q505				
	8-759-634-51		M5218AP		Q506	8-729-900-6	J INAN	MATOTO	DTA144ES
IC50'			M5218AP						
IC50	8-759-634-51	10 1	M5218AP		l				



										L	
Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
Q507	8-729-900-80	TRANSISTOR	DTC114ES	3		R172	1-247-852-11	CARBON	7. 5K	5%	1/4W
Q511	8-729-119-76		2SA1175-			R173	1-249-434-11		27K	5%	1/4W
Q512	8-729-900-80		DTC114ES			R174	1-249-434-11		27K	5%	1/4W
Q531	8-729-119-76		2SA1175-			R175	1-249-419-11		1. 5K		1/4W
Q551	8-729-900-89		DTC144ES			R175			1. 5K		
6991	0-729-900-09	INANSISIUN	DIGIAAES	)		K1/0	1-249-419-11	CARBON	1. JV	3%	1/4W
Q701	8-729-141-83	TRANSISTOR	2SB1094-	-LK		R177	1-249-441-11	CARBON	100K	5%	1/4W
Q702	8-729-119-78	TRANSISTOR	2SC403SF	-51		R200	1-249-433-11	CARBON	22K	5%	1/4W
Q703	8-729-900-74	TRANSISTOR	DTC143TS	3		R201	1-249-421-11	CARBON	2. 2K	5%	1/4W
Q704	8-729-900-74	TRANSISTOR	DTC143TS	3		R202	1-249-423-11	CARBON	3. 3K		1/4W
Q705	8-729-141-83	TRANSISTOR	2SB1094-			R203	1-249-423-11		3. 3K		1/4W
Q706	8-729-209-15	TRANSISTOR	2SD2012			R204	1-249-424-11	CARBON	3. 9K	5%	1/4W
Q707	8-729-119-76	TRANSISTOR	2SA1175-	HFE		R205	1-247-887-00	CARBON	220K	5%	1/4W
Q708	8-729-140-04	TRANSISTOR	2SB1116A	L-L		R206	1-249-417-11	CARBON	1K	5%	1/4W
Q709	8-729-900-65	TRANSISTOR	DTA144ES	5		R207	1-249-429-11	CARBON	10K	5%	1/4W
Q801	8-729-119-76	TRANSISTOR	2SA1175-	HFE		R211	1-249-429-11	CARBON	10K	5%	1/4W
Q802	8-729-801-93	TRANSISTOR	2SD1387			R212	1-249-423-11	CARBON	3. 3K	5%	1/4W
Q803	8-729-900-80	TRANSISTOR	DTC114ES			R213	1-249-423-11	CARBON	3. 3K	5%	1/4W
						R215	1-249-441-11	CARBON	100K	5%	1/4W
		< RESISTOR >				R216	1-247-887-00	CARBON	220K	5%	1/4W
						R231	1-249-417-11	CARBON	1K	5%	1/4W
R100	1-249-433-11	CARBON	22K	5%	1/4W						
R101	1-249-421-11	CARBON	2. 2K	5%	1/4W	R232	1-249-421-11	CARBON	2. 2K	5%	1/4W
R102	1-249-423-11	CARBON	3. 3K	5%	1/4W	R233	1-249-437-11	CARBON	47K	5%	1/4W
R103	1-249-423-11	CARBON	3. 3K	5%	1/4W	R234	1-249-421-11		2. 2K	5%	1/4W
R104	1-249-424-11	CARBON	3. 9K		1/4W	R235	1-249-417-11		1K	5%	1/4W
					,	R236	1-249-421-11		2. 2K		1/4W
R105	1-247-887-00	CARBON	220K	5%	1/4W					0.0	-,
R106	1-249-417-11		1K	5%	1/4W	R237	1-249-433-11	CARBON	22K	5%	1/4W
R107	1-249-429-11		10K	5%	1/4W	R238	1-249-417-11		1K	5%	1/4W
R111	1-249-429-11		10K	5%	1/4W	R239	1-247-887-00				1/4W
R112	1-249-423-11		3. 3K		1/4W	R241	1-249-435-11		33K	5%	1/4W
					-,	R242	1-249-441-11		100K		1/4W
R113	1-249-423-11	CARBON	3. 3K	5%	1/4W						-,
R115	1-249-441-11		100K		1/4W	R261	1-249-441-11	CARBON	100K	5%	1/4W
R116	1-247-887-00		220K		1/4W	R262	1-247-868-11		36K	5%	1/4W
	1-249-417-11		1K	5%	1/4W	R263	1-249-421-11		2. 2K		1/4W
R132	1-249-421-11		2. 2K		1/4W	R264	1-247-854-11		9. 1K		1/4W
11100	1 210 121 11	orni Don	2. DII	970	1/ 111	R265	1-249-409-11		220	5%	1/4W
R133	1-249-437-11	CARBON	47K	5%	1/4W					0.0	2, 211
R134	1-249-421-11		2. 2K		1/4W	R271	1-247-852-11	CARBON	7. 5K	5%	1/4W
R135	1-249-417-11		1K	5%	1/4W	R272	1-247-852-11		7. 5K		1/4W
	1-249-421-11		2. 2K		1/4W	R273	1-249-434-11		27K	5%	1/4W
	1-249-433-11		22K	5%	1/4W	R274	1-249-434-11		27K	5%	1/4W
	1 210 100 11			0.0	1, 111	R275	1-249-419-11		1. 5K		1/4W
R138	1-249-417-11	CARBON	1K	5%	1/4W						•
	1-247-887-00		220K		1/4W	R276	1-249-419-11	CARBON	1. 5K	5%	1/4W
	1-249-435-11		33K	5%	1/4W	R277	1-249-441-11		100K		1/4W
	1-249-441-11		100K		1/4W	R501	1-215-452-00			1%	1/4W
	1-249-441-11		100K		1/4W		1-215-455-00			1%	1/4W
					•	R503	1-249-433-11		22K	5%	1/4W
R162	1-247-868-11	CARBON	36K	5%	1/4W						
R163	1-249-421-11	CARBON	2. 2K	5%	1/4W	R504	1-249-429-11	CARBON	10K	5%	1/4W
R164	1-247-854-11	CARBON	9. 1K		1/4W		1-249-437-11		47K	5%	1/4W
R165	1-249-409-11	CARBON	220	5%	1/4W		1-249-429-11			5%	1/4W
	1-247-852-11		7. 5K		1/4W		1-249-435-11			5%	1/4W

# MAIN HP POWER

T. NO.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Re	emar
R508	1-249-435-11	CARBON	33K	5%	1/4W	R718	1-249-437-11	CARBON	47K	5%	1/4W	
						R719	1-249-429-11	CARBON	10K	5%	1/4W	
R509	1-249-435-11	CARBON	33K	5%	1/4W	R720	1-249-417-11	CARBON	1K	5%	1/4W	
R510	1-249-433-11	CARBON	22K	5%	1/4W							
R511	1-249-413-11	CARBON	470	5%	1/4W	R721	1-249-414-11	CARBON	560	5%	1/4W	
R512	1-249-429-11		10K	5%	1/4W	<u></u> ∕1\R722	1-219-137-11	FUSIBLE	0.33	10%	1/4W	F
R513	1-247-883-00		150K		1/4W	∕ <b>1</b> R723	1-217-371-00		0.47	10%	1/4W	F
noro	1 247 003 00	UMIDUN	1001	070	1/ 411	/\R724	1-219-139-11		0.68		1/4W	
D54.4	4 040 405 44	GARRON	0.017	ΕOV	1 /450				100K		1/4W	
R514	1-249-427-11		6.8K		1/4W	R801	1-249-441-11	CARDUN	1001	3/6	1/411	
R515	1-249-423-11		3. 3K		1/4W						4 4400	
R516	1-249-428-11	CARBON	8. 2K		1/4W	R802	1-249-417-11		1K	5%	1/4W	
R517	1-249-441-11	CARBON	100K	5%	1/4W	R803	1-247-807-31	CARBON	100	5%	1/4W	
R518	1-249-429-11	CARBON	10K	5%	1/4W	R804	1-247-807-31	CARBON	100	5%	1/4W	
						R805	1-247-807-31	CARBON	100	5%	1/4W	
R519	1-249-417-11	CARRON	1K	5%	1/4W	R806	1-247-807-31		100	5%	1/4W	
				5%	1/4W	11000	1 211 007 01	Officon	100	0.0	1, 1,,	
R520	1-249-432-11		18K			D007	1 040 400 11	CADDON	עד פ	Ce/	1 / 450	
R521	1-249-436-11		39K	5%	1/4W	R807	1-249-422-11		2. 7K		1/4W	
R522	1-249-441-11		100K	5%	1/4W	R808	1-249-422-11		2. 7K		1/4W	
R524	1-249-428-11	CARBON	8. 2K	5%	1/4W	R809	1-249-422-11	CARBON	2. 7K	5%	1/4W	
						R810	1-249-429-11	CARBON	10K	5%	1/4W	
R525	1-249-421-11	CARBON	2. 2K	5%	1/4W	R811	1-247-862-11	CARBON	20K	5%	1/4W	
R527	1-249-435-11		33K	5%	1/4W							
R528	1-247-807-31		100	5%	1/4W	R812	1-249-430-11	CARRON	12K	5%	1/4W	
						1			22K	5%	1/4W	
R531	1-249-437-11		47K	5%	1/4W	R813	1-249-433-11					
R532	1-249-437-11	CARBON	47K	5%	1/4W	R814	1-249-433-11		22K	5%	1/4W	
						R815	1-249-433-11		22K	5%	1/4W	
R533	1-249-429-11	CARBON	10K	5%	1/4W	R816	1-247-807-31	CARBON	100	5%	1/4W	
R541	1-249-437-11	CARBON	47K	5%	1/4W							
R542	1-249-437-11		47K	5%	1/4W	R817	1-249-419-11	CARBON	1. 5K	5%	1/4W	
R543	1-249-437-11		47K	5%	1/4W	R818	1-249-429-11		10K	5%	1/4W	
			62K	5%	1/4W	R819	1-249-434-11		27K	5%	1/4W	
R544	1-247-874-11	CANDON	UΔN	3%	1/4#							
						R820	1-249-421-11		2. 2K		1/4W	
R545	1-249-410-11	CARBON	270	5%	1/4W	R821	1-249-421-11	CARBON	2. 2K	5%	1/4W	
R546	1-249-421-11	CARBON	2. 2K	5%	1/4W							
R551	1-249-433-11	CARBON	22K	5%	1/4W	R822	1-249-421-11	CARBON	2. 2K	5%	1/4W	
R552	1-249-429-11	CARBON	10K	5%	1/4W	R823	1-249-428-11	CARBON	8. 2K	5%	1/4W	
R553	1-249-429-11		10K	5%	1/4W	R824	1-249-418-11	CARBON	1. 2K	5%	1/4W	
11000	1 210 120 11	or min or i	1011	0.0	-,	R825	1-249-417-11		1K	5%	1/4W	
D701	1-249-421-11	CADDON	2. 2K	EW	1/4W	R826	1-249-417-11		1K	5%	1/4W	
R701					•	1020	.1 243 417 11	MILDON	III	UAU	1/ 111	
R702	1-249-425-11		4. 7K		1/4W		4 040 447 44	GIPPON	417	ro	4 /450	
R703	1-249-425-11	. CARBON .	4. 7K	5%	1/4W	R827	1-249-417-11		1K	5%	1/4W	
R704	1-249-419-11	CARBON	1. 5K	5%	1/4W	R828	1-249-417-11		1K	5%	1/4W	
R705	1-249-418-11	CARBON	1. 2K	5%	1/4W	R829	1-249-417-11	CARBON	1K	5%	1/4W	
						R830	1-249-417-11	CARBON	1K	5%	1/4W	
R706	1-249-427-11	CARBON	6. 8K	5%	1/4W	R831	1-249-417-11		1K	5%	1/4W	
R707	1-249-419-11		1. 5K		1/4W						-,	
						2000	1-249-418-11	CARRON	1. 2K	59	1/4W	
R708	1-249-429-11		10K	5%	1/4W	R833						
R709	1-249-419-11		1. 5K		1/4W	R834	1-249-428-11		8. 2K		1/4W	
R710	1-249-427-11	CARBON	6. 8K	5%	1/4W	R835	1-249-441-11		100K		1/4W	
						R836	1-249-417-11		1K	5%	1/4W	
R711	1-249-427-11	CARBON	6.8K	5%	1/4W	R837	1-249-429-11	L CARBON	10K	5%	1/4W	
R712	1-249-417-11		1K	5%	1/4W							
R713	1-249-409-11		220	5%	1/4W			< VARIABLE 1	RESISTOR	>		
R713	1-249-425-11		4. 7K		1/4W							
						D074.4.4	1_9/1_690 1	DEC ANT C	ADRON 100			
R715	1-249-427-11	LOAKBUN	6. 8K	9%	1/4W		1-241-630-13					
							1-241-630-1					
R716	1-247-866-11	L CARBON	30K	5%	1/4W	RV501	1-223-864-13	i res, var, c	ARBON 1K/	ık (Li	EVEL)	
R717	1-249-429-11	CARBON	10K	5%	1/4W							
						fied t	components by mark ⚠ or with mark /	dotted une i	composant marque / la sécurité	∆ son	t critiq	ues
						Repla	al for safety. ace only with per specified.		es remplac portant l			

		N	MIAI	HP	POWER	PANEL
 	 ъ .	D C N D 4 N	ъ.	4.5	D	1.

Ref. No.	Part No.	Description			Rema	ark	Ref. No.	Part No.	Descript	ion			Remark
-		< TEST PIN >					R916	1-249-427-11	CARBON		6. 8K	5%	1/4W
		, 2002					R917	1-249-431-11			15K	5%	1/4W
* TP801	1-560-060-00	PIN, CONNECTOR	2P				R918	1-249-437-11	CARBON		47K	5%	1/4W
							R919	1-249-418-11	CARBON		1. 2K	5%	1/4W
		< VIBRATOR >					R920	1-249-420-11	CARBON		1. 8K	5%	1/4W
X801	1-577-358-21	VIBRATOR, CERAM	IC (4M	(Hz)			R921	1-249-422-11	CARBON		2. 7K	5%	1/4W
******	******	******	*****	*****	*******	****	R922	1-249-424-11	CARBON		3. 9K		1/4W
							R923	1-249-427-11			6. 8K		1/4W
*	A-2007-414-A	PANEL BOARD, CO					R924	1-249-431-11			15K		1/4W
		*****	*****	¢ .			R926	1-249-418-11	CARBON		1. 2K	5%	1/4W
	3-923-303-01	HOLDER (FL TUBE	)				R927	1-249-420-11			1. 8K		1/4W
							R928	1-249-422-11			2. 7K		1/4W
		< CAPACITOR >					R929	1-249-424-11			3. 9K		1/4W
		ann				O.S.V.	R930	1-249-427-11			6. 8K		1/4W
C901	1-161-494-00		0. 022			25V	R933	1-249-413-11	CARBON		470	5%	1/4W
C902	1-161-494-00		0. 022			25V	D024	1-249-417-11	CADDON		1K	5%	1/4W
C903 C904	1-161-494-00 1-161-494-00		0. 022 0. 022			25V 25V		1-249-417-11			100		1/4W
0904	1-101-494-00	CERAMIC	0. 044	ur		234	11333	1 247 007 31	UNIDON		100	3/1)	1/ 111
		< CONNECTOR >							< VARIAB	SLE RESIS	STOR >	>	
* CN901	1-568-873-11	SOCKET, CONNECT	OR 31F	)			RV901	1-241-797-11	RES, VAR	, CARBO	N 20K	(REC	LEVEL)
* CN902	1-568-854-11	SOCKET, CONNECT	OR 11F	)					< SWITCH	1.5			
		< DIODE >							Dillo	,			
							S701	1-692-409-11				(POWER	)
D901	8-719-313-48	DIODE SEL6210	S-TH12	(AUTO	))		S901	1-554-303-21					
							S902	1-554-303-21					
		< FILTER >					S903	1-554-303-21					
FI 901	1-517-421-11	INDICATOR TUBE,	FLUOR	ESCENT	,		S904	1-554-303-21	SWITCH,	TACTILE	( • KE	<i>(</i> U)	
1 11001	1 017 421 11	INDICATION TODE,	LEOUI	LDOLINI			S905	1-554-303-21	SWITCH,	TACTILE	(ARL)		
		< IC >					S906	1-554-303-21					
							S907	1-554-303-21	SWITCH,	TACTILE	$(\triangleright)$		
IC901	8-741-810-59	IC SBX1810-59					S908	1-554-303-21	SWITCH,	TACTILE	$(\triangleleft)$		
		( PEGIGEOR )					S909	1-554-303-21	SWITCH,	TACTILE	(11)		
		< RESISTOR >					0010	1-554-303-21	CWITCU	TACTILE	(app	e Min	E)
0001	1 040 490 11	CADDON	101/	E0/	1 /AW			1-554-303-21	,				E)
	1-249-429-11 1-249-429-11		10K	5% 5%	1/4W			1-554-303-21					
	1-249-429-11		10K	5%	1/4W		S913	1-554-303-21				Ln1)	
R903 R904	1-249-429-11		10K	5%	1/4W		S914	1-554-303-21			>		
R905	1-249-418-11		1. 2K		1/4W		5514	1 004 000 21	Dill'Ion,	THOTTEL	(==/		
11300	1 243 410 11	Olution	1. 21	0.0	1, 1,,		S915	1-554-303-21	SWITCH.	TACTILE	(KN ◀	<b>(4</b> )	
R906	1-249-420-11	CARBON	1. 8K	5%	1/4W		S916	1-554-303-21					
R907	1-249-422-11		2. 7K		1/4W		S917	1-554-303-21					FADE)
R908	1-249-424-11		3. 9K		1/4W		S918	1-554-303-21	SWITCH,	TACTILE	(CHEC	CK)	
R909	1-249-427-11		6.8K	5%	1/4W		S919	1-554-303-21	SWITCH,	TACTILE	(CLEA	AR)	
R910	1-249-431-11	CARBON	15K	5%	1/4W								
							S920	1-554-303-21					>
R911	1-249-437-11	CARBON	47K	5%	1/4W		S921	1-554-303-21				PEN/C	LOSE)
R912	1-249-418-11		1. 2K		1/4W		S922	1-554-303-21					`
R913	1-249-420-11		1. 8K		1/4W		S923	1-554-303-21					
R914	1-249-422-11		2. 7K		1/4W		S924	1-554-303-21	SWITCH,	TACTILE	(CD S	YNCHR	U)
R915	1-249-424-11	CARBON	3. 9K	5%	1/4W		S925	1-554-303-21	SWITCH,	TACTILE	(TIME	<u>:</u> )	
						'							

## **PANEL**

· · · · · · · · · · · · · · · · · · ·	J		
Ref. No.	Part No.	Description	Remark
S926	1-554-303-91	SWITCH, TACTILE (REPEAT)	
		SWITCH, SLIDE (DOLBY NR)	
		SWITCH, SLIDE (DIR MODE)	
		**************************************	*****
		MISCELLANEOUS **********	
7		WIRE (FLAT TYPE) (31 CORE)	
11		WIRE (FLAT TYPE) (11 CORE)	
		WIRE (FLAT TYPE) (7 CORE)	
24		WIRE (FLAT TYPE) (26 CORE)	
121	1-638-983-11	MOTOR FLEXIBLE	
	1-452-719-11		
<u>⊿</u> \751	8-848-144-11	DEVICE, OPTICAL KSS-240A	
		WIRE, FLAT TYPE (12 CORE)	
		CORD, POWER (POLAR. SPT-1) (Cana	dian)
<u>1</u> CNP702	1-575-651-21	CORD, POWER (AEP, German)	
		DECK ASSY, HEAD (PLAYBACK/RECO	RD/ERASE)
M1		MOTOR ASSY (CAPSTAN)	
M2	X-3363-501-2	MOTOR ASSY (REEL)	
M101	X-4917-504-1	MOTOR ASSY (SLED)	Δ.
M102	X-4917-523-4	BASE (OUTSERT) ASSY (SPINDLE N	IOTOR)
		MOTOR (L) ASSY (LOADING)	
		TRANSFORMER, POWER (Canadian)	
<b></b> ↑T901	1-427-910-11	TRANSFORMER, POWER (AEP, German	)
******	*****	***********	*****
	ACCESSORIE	S & PACKING MATERIALS	
		*******	
	1-551-734-11	CORD, CONNECTION	
	3-798-627-11	MANUAL, INSTRUCTION	
		(ENGLISH, FRENCH)	(Canadian)
	3-798-627-21	MANUAL, INSTRUCTION	
		(ENGLISH, FRENCH, SPANISH, PORTG	UESE) (AEP)
	3-798-627-31	MANUAL, INSTRUCTION	
		(GERMAN, DUTCH, SWEDISH, ITA	
	3-798-627-41	MANUAL, INSTRUCTION (GERMAN) (Ge	rman)
*	3-907-887-01	CUSHION	
*	3-923-808-41	INDIVIDUAL CARTON (Canadian)	
*	3 - 923 - 808 - 51	INDIVIDUAL CARTON (AEP, German)	
	1 - 473 - 359 - 11	REMOTE COMMANDER (RM-J803)	
	2-181-754-01	COVER, BATTERY (FOR RM-J803)	
******	******	**********	******
		******	
		HARDWARE LIST	
		**************************************	
#1	7 605 071 04	CODEW DUTT OVC /C\	
#1	1-085-8/1-01	SCREW +BVTT 3X6 (S)	

7-685-133-19 SCREW (DIA. 2.6) (IT3B)

Ref. No.	Part No.	Description	Remark
#4	7-621-773-05	SCREW +BVTT 2.6X6 (S)	
#5		SCREW +B 2.6X3	
#6	7-627-556-08	SCREW +P 2.6X2.8	
#7	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#8	7-621-255-15	SCREW +P 2X3	

The components identified by Les composants identifiés mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

par une marque ∧ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**Sony Corporation Consumer A&V Products Company** Home A&V Products Div.

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#2